

Further investigations:

Gather 10 pennies and ask your child to separate them into two sets. Help her record the combinations that make 10.

Suggest subtraction problems to your child and allow him to model the problem with pennies. For example, 7 pennies take away 3 pennies equals 4 pennies.

Ask your child to draw a picture and to create his own math story like the one in the Classroom Cases. When your child shares the story, ask questions about the number combinations.

Play "Toy Store". Gather 15 pennies in one bag. Gather 1 dime and 1 nickel in another bag. Let your child "buy" different items from the store using the money gathered. Encourage your child to use combinations of coins to make the total.

Terminology:

Combine: put sets together, join sets, add

Separate: take away, remove, subtract

Compare: describe how sets relate to each other using terms like more, less, or equal, heavier/lighter, etc.

Quantity: the amount of objects

Book'em:

Mission: Addition by Loreen Leedy

Addition Annie

by David Gisler and Sarah A. Beise

Too Many Balloons

by Catherine Mattias

Shark Swimathon by Stuart Murphy

Ready, Set, Hop! By Stuart Murphy

Animals on Board by Stuart Murphy

26 Letters and 99 Cents

by Tana Hoban

Safari Park by Stuart Murphy

Jelly Beans for Sale by Bruce McMillan

Related Files:

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Joining and Separating

Students will:

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- Represent the combining of two sets
- Represent the separating of a set into two sets
- Model addition and subtraction problem situations using various representations
- Represent number combinations up to 10
- Count pennies to buy items that together cost less than 30 cents and make fair trades using pennies and nickels or dimes.

Classroom Cases:

1. Combine the two sets below. Tell how many buttons are in the new set.



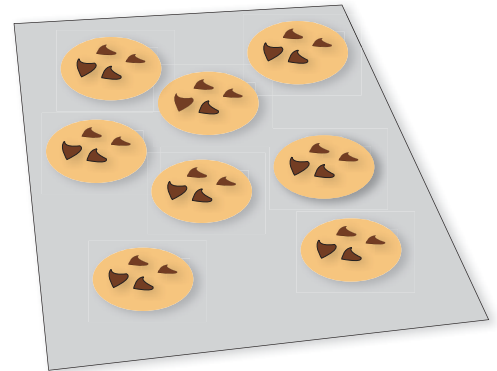
Case Closed - Evidence:



There were 2 buttons in one set and 3 in the other set. There are five in the new set.

2. One day I baked 8 cookies.
My friend came over to play.
I gave 2 cookies to my friend.

- A. What is my story about?
- B. What happened first?
- C. What happened next?
- D. What did I do?
- E. How many cookies were there at the beginning of the story?
- F. How many cookies were left?



Case Closed - Evidence:

- A. The story is about baking cookies.
- B. First, I baked 8 cookies.
- C. Next, my friend came over to play.
- D. Then, I gave my friends two cookies.
- E. There were 8 cookies in the beginning of the story.
- F. There were 6 cookies left.

3. Make sets with the bicycles that combine to be a set of 10.

Starting amount	Amount needed to make 10

Case Closed - Evidence:

Starting amount	Amount needed to make 10